

Fig. 1(b)

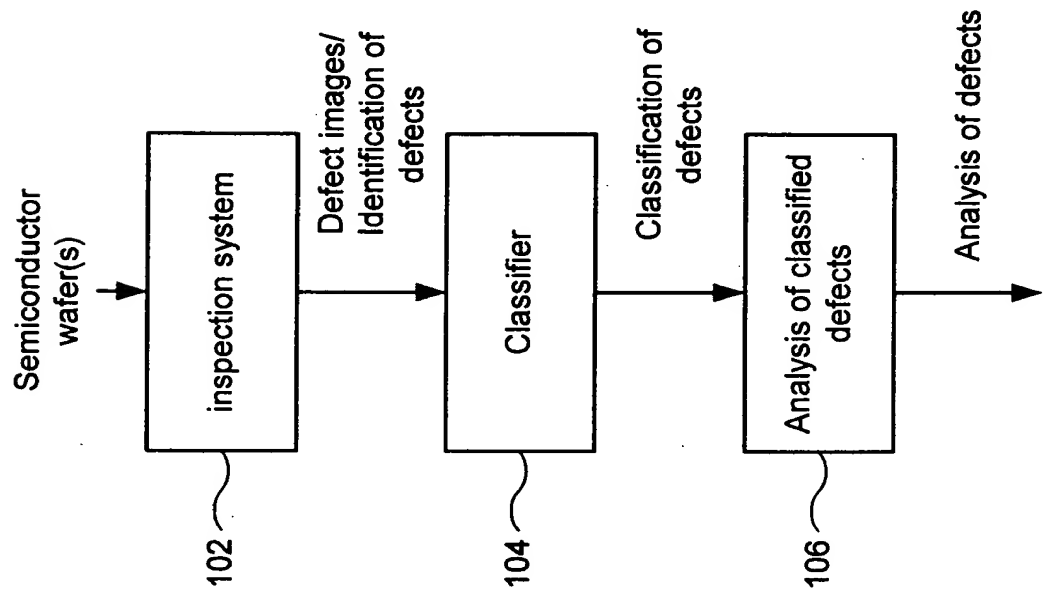


Fig. 1(a)

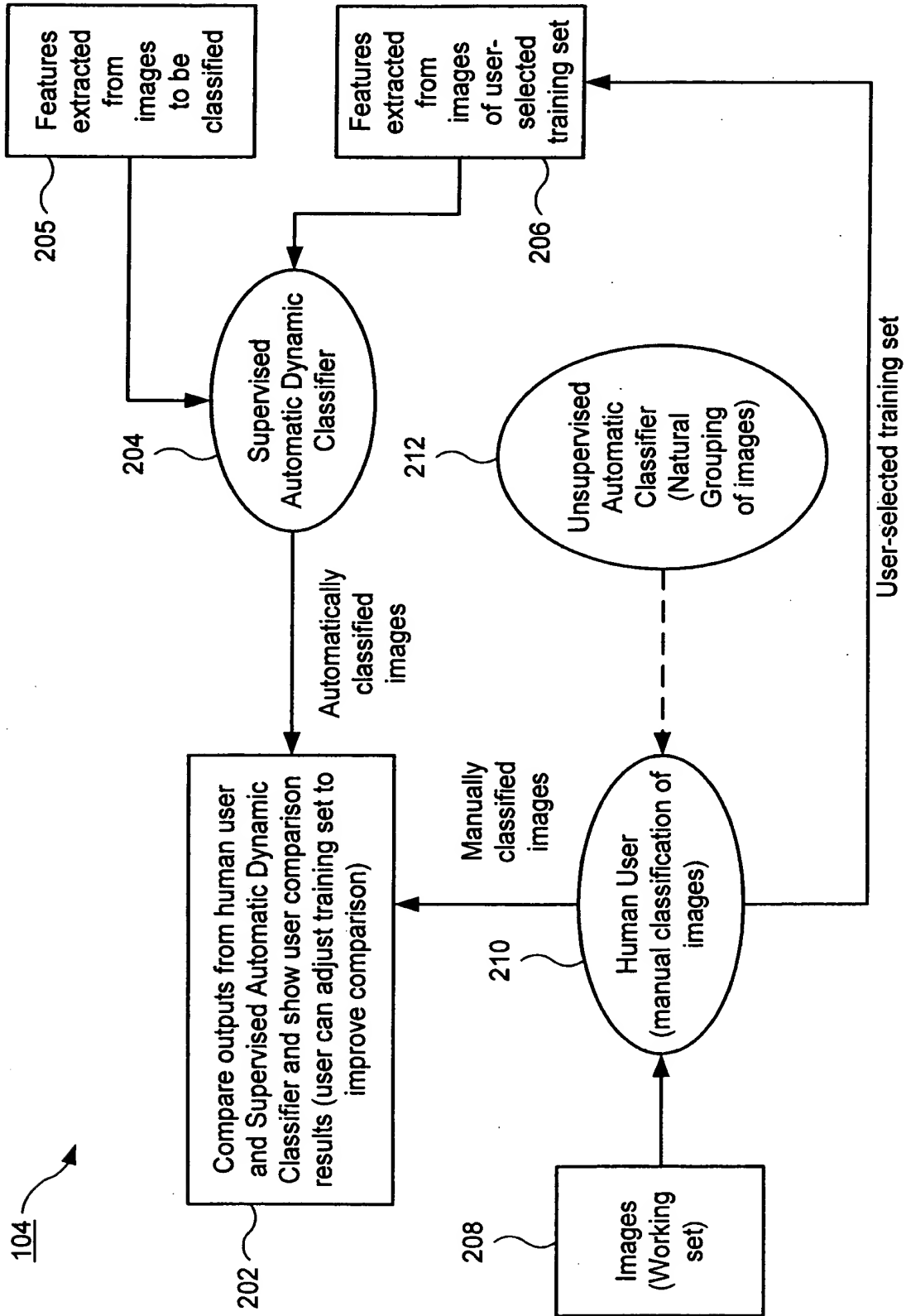
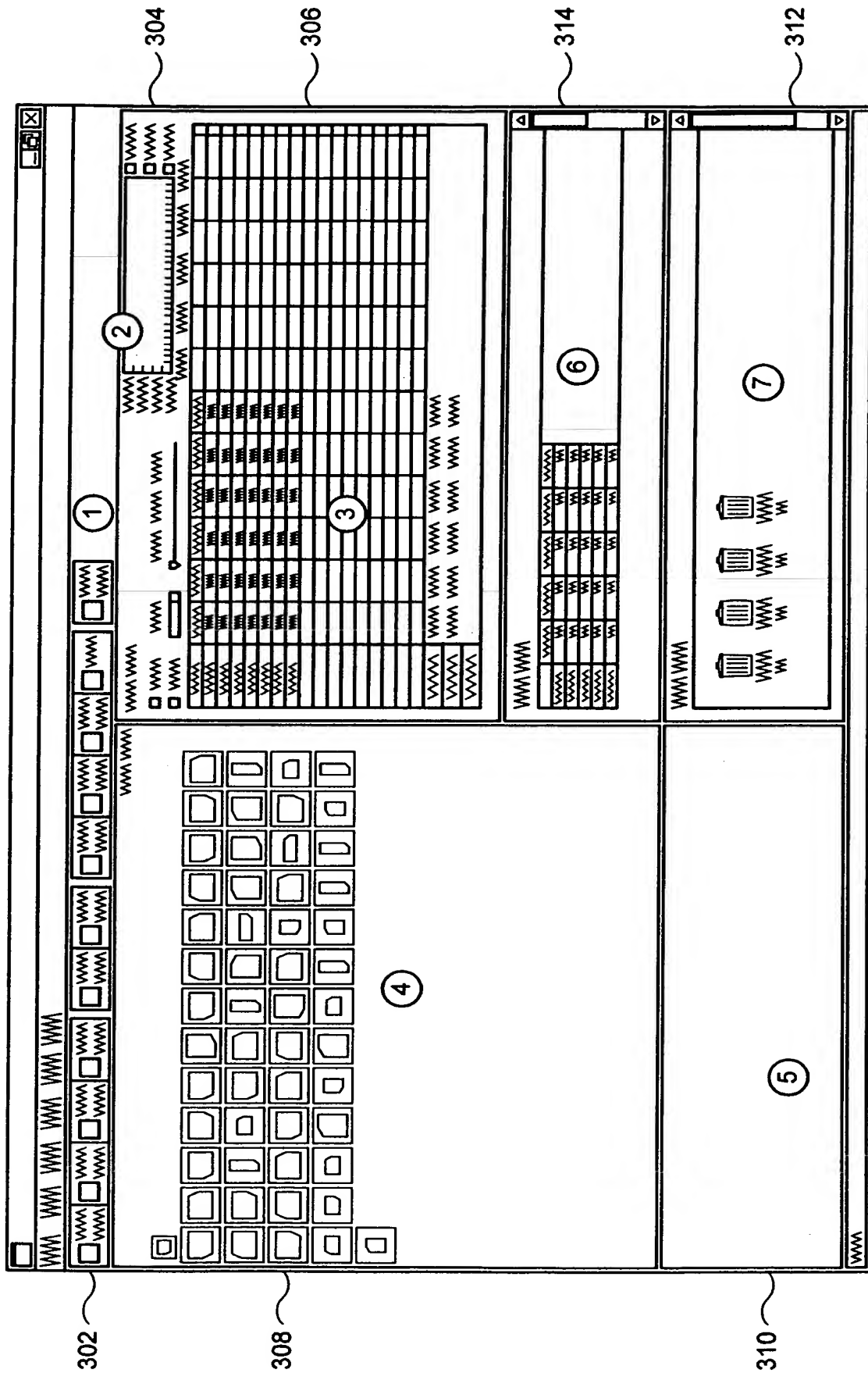
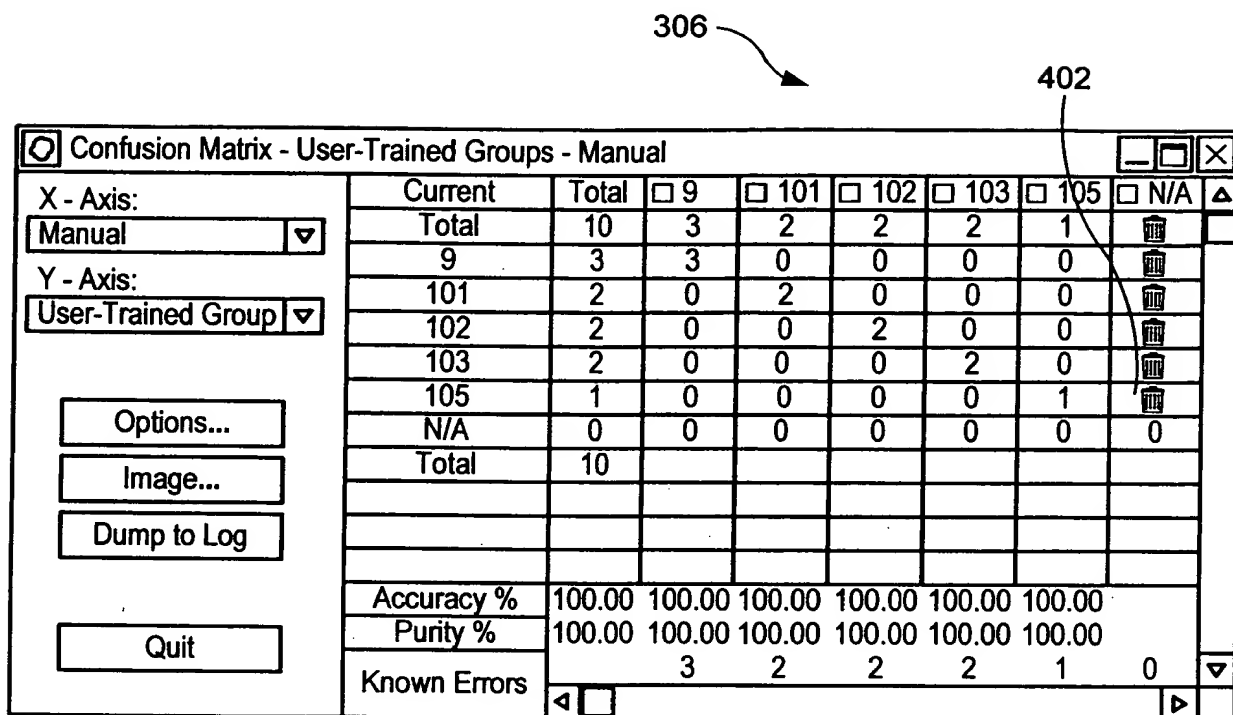


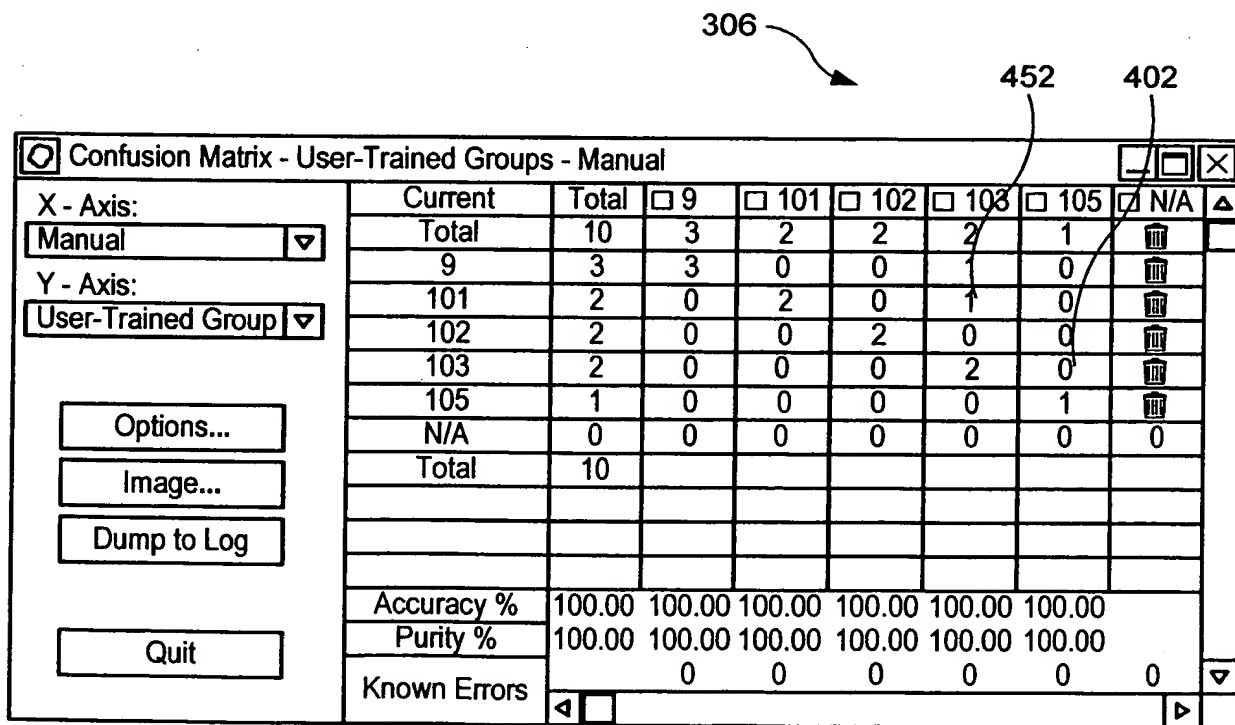
Fig. 2



Smart Gallery window
 Fig. 3



Confusion Matrix (Defects in Agreement)
Fig. 4(a)



Confusion Matrix (Known Errors)
Fig. 4(b)

502

Sort Properties

Working Set **Training Set**

Primary Key	Secondary Key
<input checked="" type="radio"/> Lot - Wafer	<input type="radio"/> Lot - Wafer
<input type="radio"/> Manual Bin	<input type="radio"/> Manual Bin
<input type="radio"/> Suggested Bin	<input type="radio"/> Suggested Bin
<input type="radio"/> Size	<input type="radio"/> Size

OK **Reset** **Cancel**

Fig. 5(a)

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Sort Properties

Working Set **Training Set**

Primary Key

☐ Lot - Wafer

☒ Manual Bin

☐ Suggested Bin

☐ Size

Secondary Key

☐ Lot - Wafer

☐ Manual Bin

☐ Suggested Bin

☐ Size

OK **Reset** **Cancel**

Fig. 5(b)

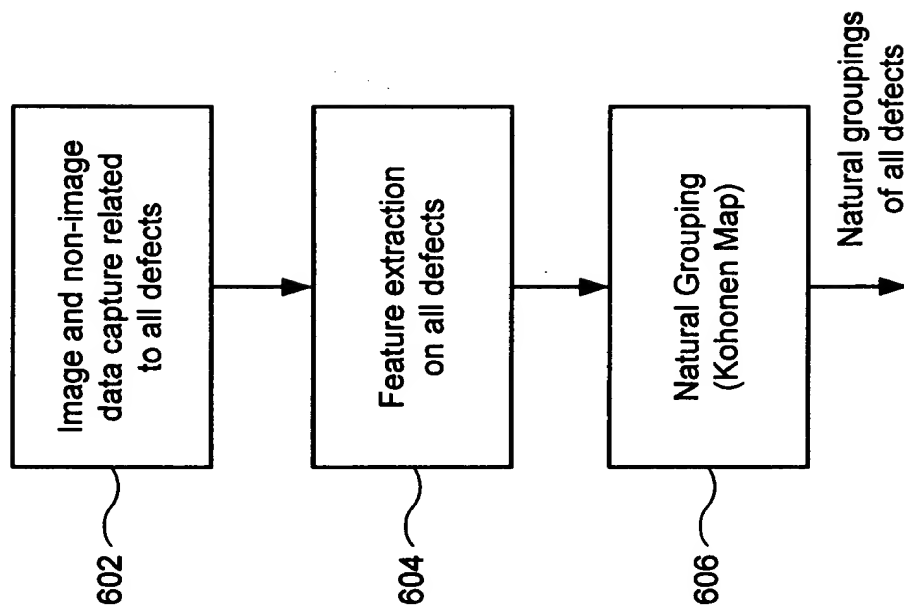


Fig. 6(a)

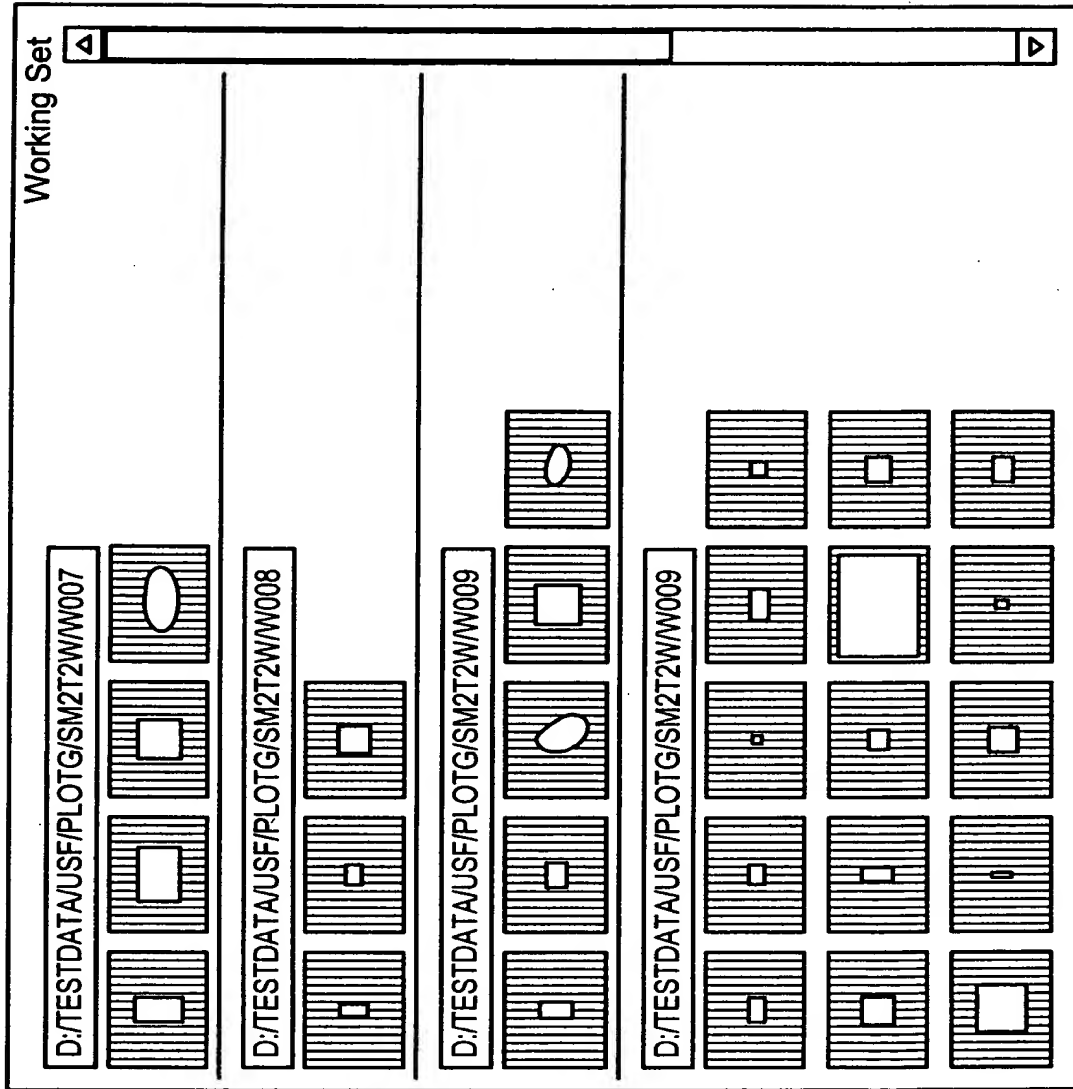


Fig. 6(b)

312

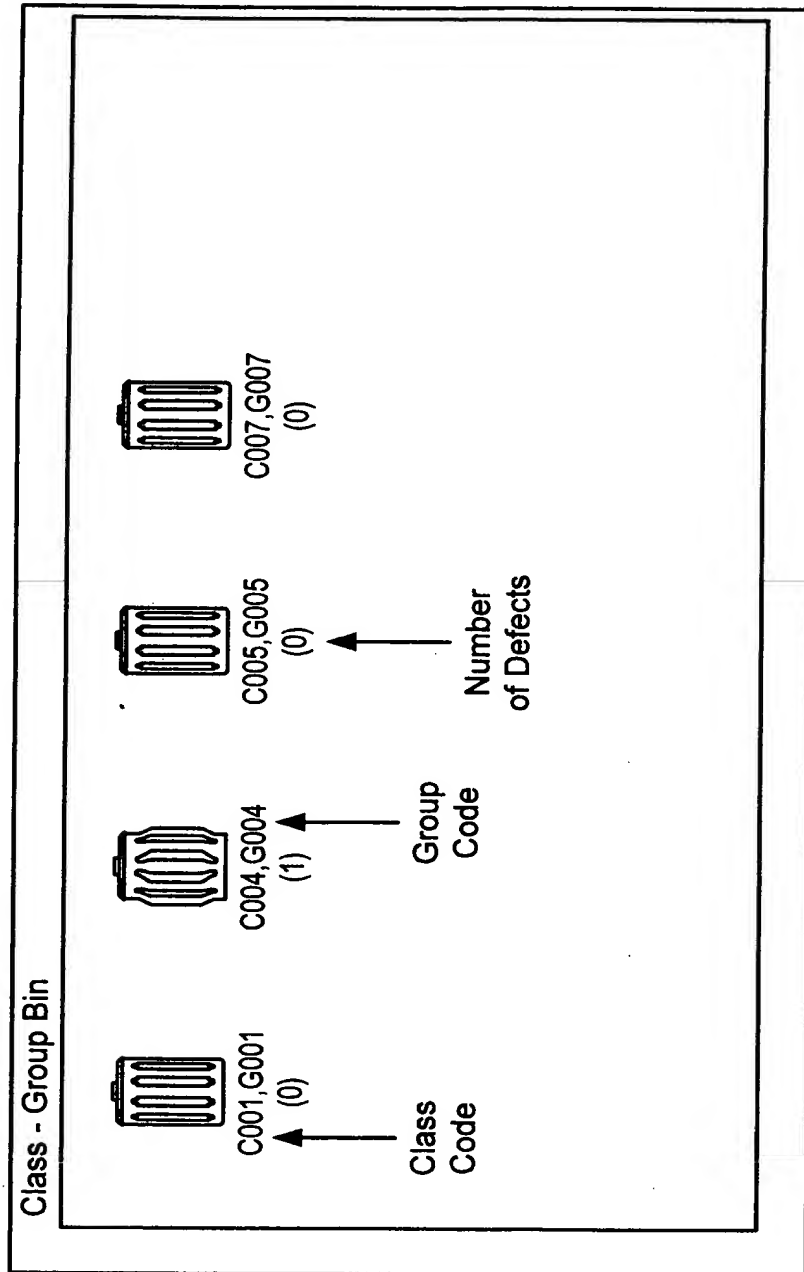


Fig. 7

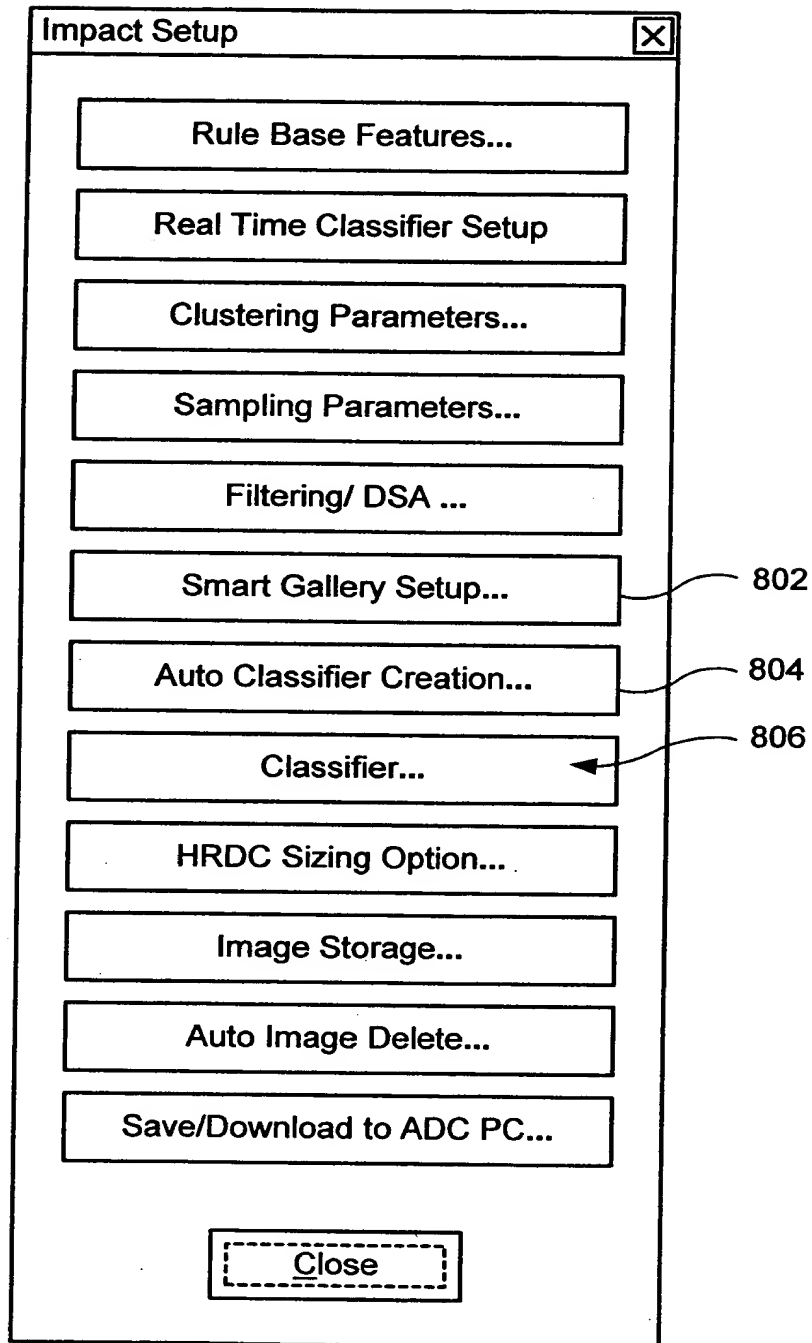


Fig. 8

The image shows a software window titled "HRDC Classifier" with a standard Windows-style title bar (minimize, maximize, close buttons). The interface contains several buttons and text fields. On the left side, there is a vertical list of callout numbers: 902, 904, 906, 908, 910, 912, and 914. Each number is connected by a curved line to a specific button or group of buttons in the interface. The buttons are: "Add Defects...", "Auto Features", "Train", "Remove Group...", "Remove Defects...", "Filter Defects", "Adjust Confidence", "Test (Training Set)", "Test (Other)...", and "Close". The "Close" button is shown with a dashed border. To the right of the buttons, there are status indicators and input fields: "Maps opened: 0", "Defects added: 0", a checkbox for "Select best set in" followed by a text box containing "15" and the word "min", "No. of features to select:" followed by a text box containing "80", "No. of features selected: 0" followed by a "Clear" button, "Defects to be trained: 0", a section titled "Filtering" containing "Defects removed: 0", "Defects 0", and "Min defs/class:" followed by a text box containing "0", a checked checkbox for "Adjust confidence manually", and an unchecked checkbox for "Characterize".

HRDC Classifier

902 **Add Defects...** **Maps opened: 0**
Defects added: 0

904 **Auto Features** ☐ **Select best set in** **min**
No. of features to select:
No. of features selected: 0 **Clear**

906 **Train** **Defects to be trained: 0**

908 **Filtering**
Remove Group... **Defects removed: 0**
Remove Defects... **Defects 0**
Filter Defects **Min defs/class:**

910 **Adjust Confidence** ☒ **Adjust confidence manually**

912 **Test (Training Set)** ☐ **Characterize**

914 **Test (Other)...**

Close

Fig. 9

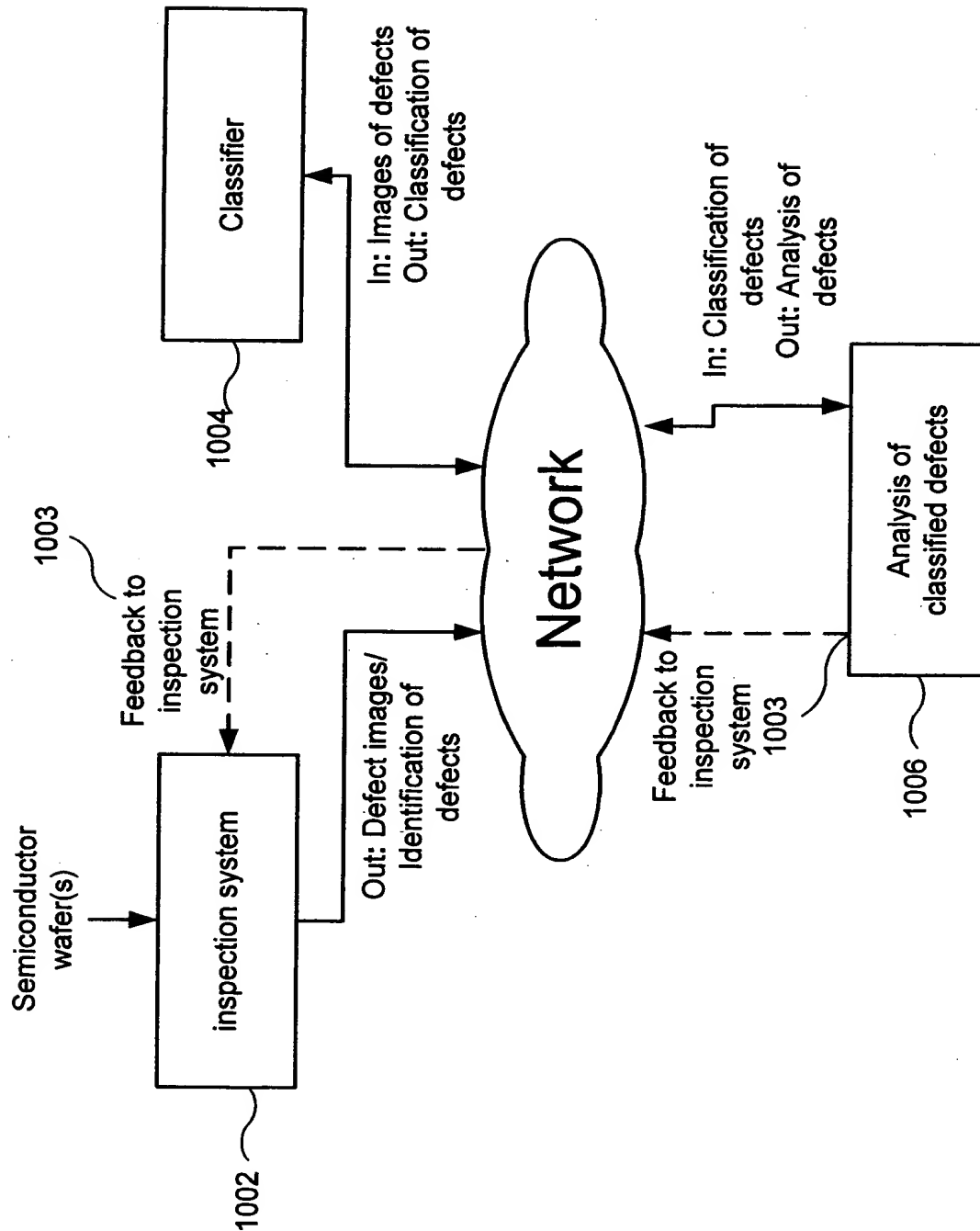


Fig. 10(a)

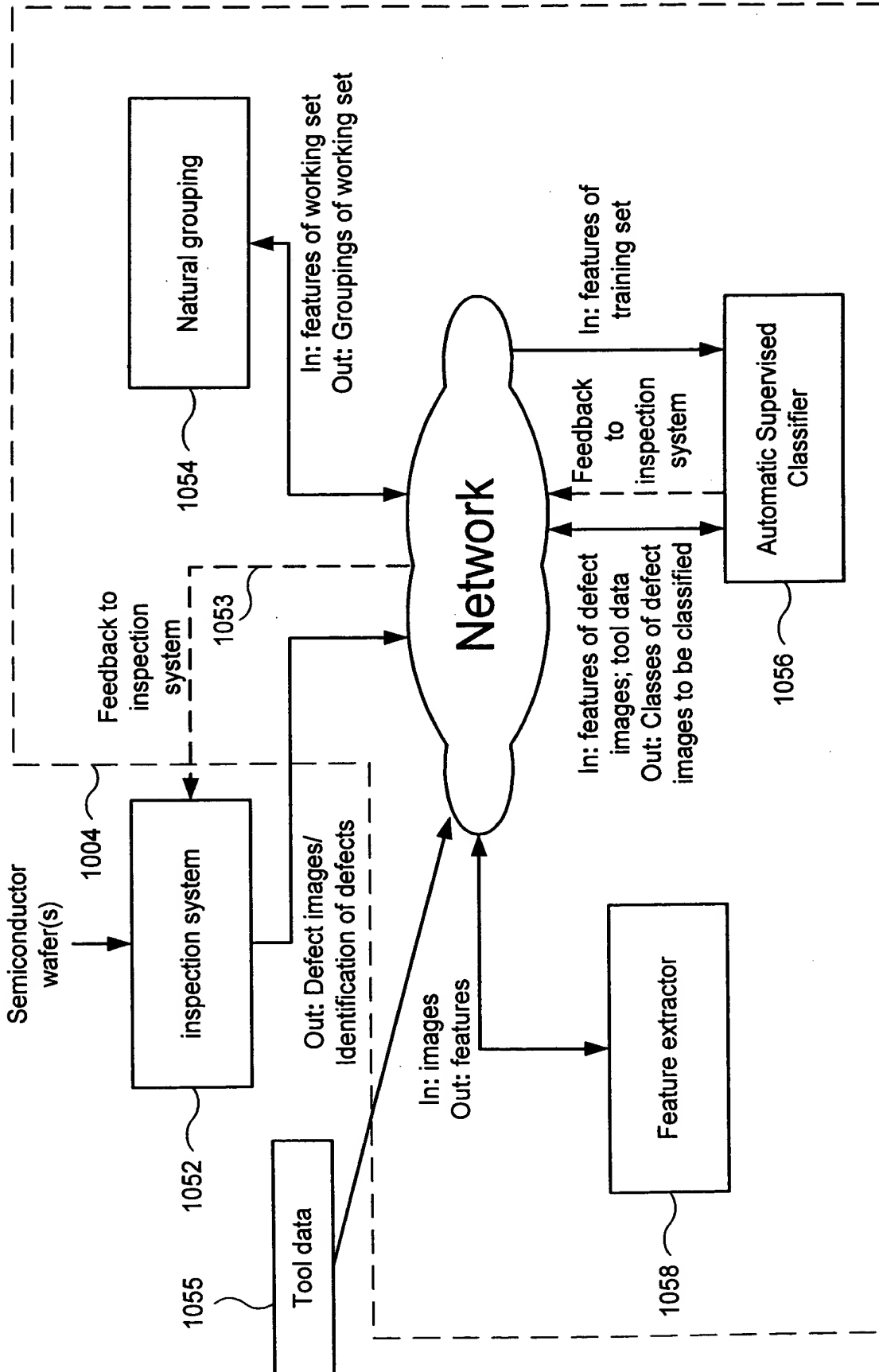


Fig. 10(b)

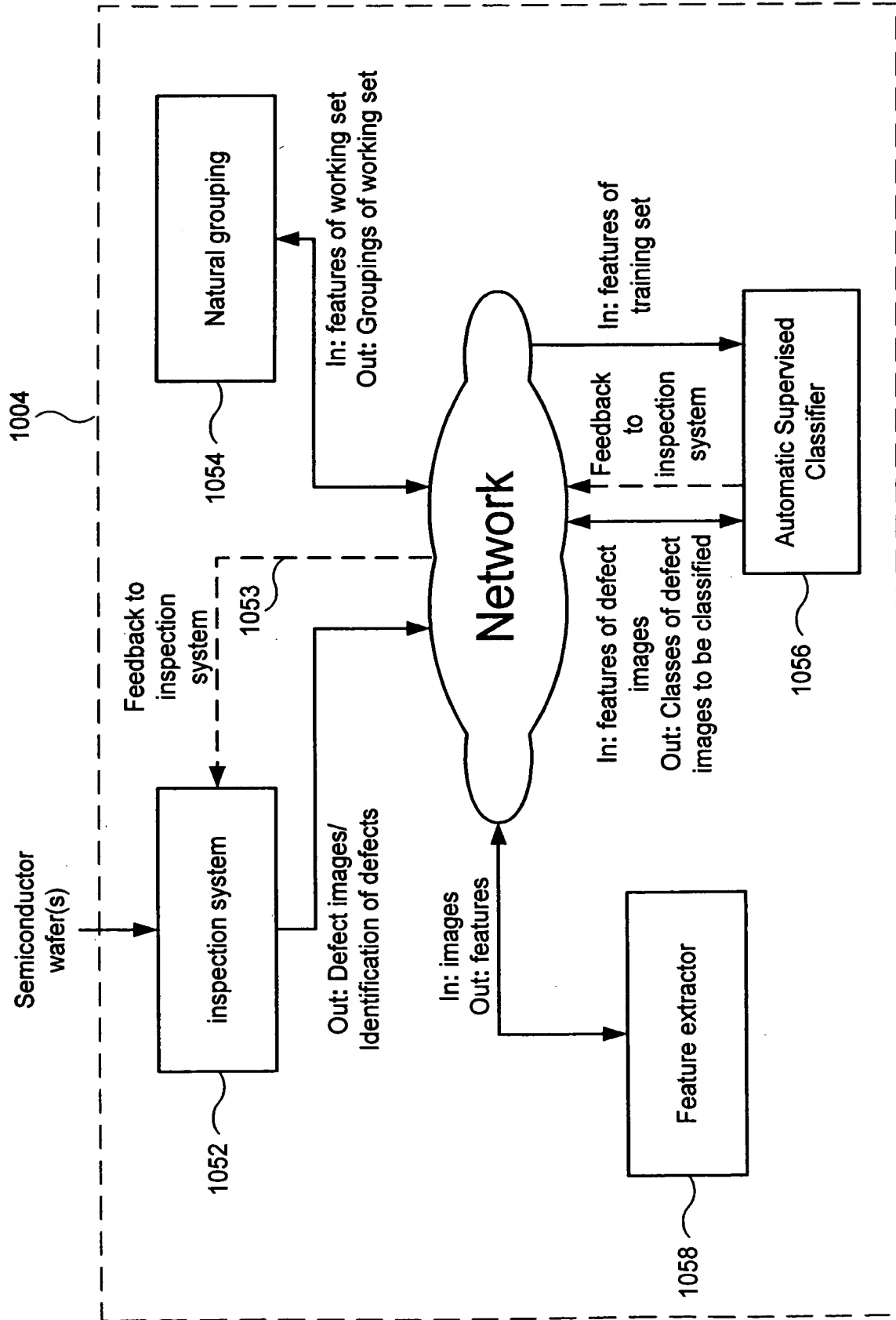


Fig. 10(c)